

## **Mechanical Coupling from Photosphere to Corona**

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We study the coupling between the solar photosphere and higher layers using coordinated timeseries observations that include measurements of photospheric magnetic and velocity fields, and thermal properties of higher layers. Coupled with simplified MHD models, co-aligned high resolution data from the SOHO and TRACE spacecraft allow us to follow the dynamics of the atmosphere systematically as a function of height from photosphere to corona. We will present results concerning the nature of the dominant wave motions in the quiet Sun's atmosphere. Comments will be made concerning the relative importance of wave reflection and the effects of variations in average magnetic flux on the inferred dynamics. An attempt will be made to clarify some apparent discrepancies concerning chromospheric dynamics that exist in the literature.